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FORM PTO-1449

LIST OF DISCLOSURES CITED AND AND

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U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No. P0894P1D2C4

Serial No. 09/896,856

Applicant

baker et al. Filing Date

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## **U.S. PATENT DOCUMENTS**

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nitials		Document Number	Date	Name	Class	Subclass	Filing Date
TRA	* 1	4,339,441	13.07.82	Kalman et al.			/
1 1	* 2	4,900,811	13.02.90	Sutcliffe, J.			
	* 3	4,923,696	08.05.90	Appel et al.			
	* 4	5,017,375	21.05.91	Appel et al.			
]	* 5	5,141,856	25.08.92	Collins et al.	\		
	* 6	5,166,317	24.11.92	Wallace et al.			
	* 7	5,202,428	13.04.93	Schubert			
	* 8	5,206,007	27.04.93	Ooshima et al.			
	<b>*</b> 9	5,210,026	11.05.93	Kovesdi et al.			
	*10	5,214,031	25.05.93	Uchida			
<b>'</b>	*11	5,215,969	01.06.93	Springer et al.		<b>/</b>	
l	*12	5,218,094	08.06.93	della Valle			
	*13	5,242,798	07.09.93	Sutcliffe			
	*14	5,250,414	05.10.93	Schwab et al.			
	*15	5,284,932	08.02.94	Sen	'/		`
1,1	16	5,534,615	09.07.96	Baker et al.	1		
	17	5,571,893	05.11.96 <sup>.</sup>	Baker et al.			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials		Document Number	Date	Co	untry	Class	Subclass	Transl Yes	ation No
श्ट्रिम	*18	233,838	26.08.87	EPO					
	*19	474,979	18.03.92	EPO					/
- 1	*20	476,933	25.03.92	EPO					//
1	*21	4,169,600A	17.06.92	JAPAN		\		/	$\vee$
ı	*22	55-020721A	14.02.80	JAPAN		\			l
- 1	*23	WO 90/09399	23.08.90	PCT WIPO	·		\		
- 1 .	*24	WO 92/11026	09.07.92	PCT WIPO				ĺ	
- 1	*25	WO-92/18140	29.10.92	ECT WIPO			X		1
- 1	*26	WO 92/20797	26.11.92	FCT WIPO					l
	*27	WO 92/22665	23.12.92	FCT WIPO			\		<u> </u>
1	*28	WO 93/03758	04.03.93	PCT WIPO					
	*29	WO 93/06116	01.04.93	PCT WIPO					
	*30	WO 93/07270	15.04.93	PET WIPO		,			
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$\mathcal{L}$	*33	WO 93/24529	09.12.93	Per WIPO					
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11011	OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)									<u>.                                    </u>	_	
<u>~.1</u>	Т—	Barinaga, M., "No	eurotrophic fac	tors enter the clinic [news]	Jale, Ferune	nt Pages, etc.	.) - /199	<del></del>			_	
BCH	*35	_		,010 0	BULLING .	204:112	. (12)	41,				
<del>-</del>  -	<del> </del>	Bazan, J.F., "Nei	uropoietic Cyto	kines in the Hematopoietic Fo	old" Neuro	7.197-208	· /Δ110	1001)			_	
1	*36		-	The state of the s	014	11 /.12, 200	1402	1331/4				
$\overline{}$	+-	Boheler et al., '	"Gene Expression	n in Cardiac Hypertrophy" TC	M 2(5):176	-182 (1992)				<u> </u>	_	
	*37	Boheler et al., "Gene Expression in Cardiac Hypertrophy" TCM 2(5):176-182 (1992),										
	-	Casali et al. <u>Sci</u>	ience 234:476-47	79 (1986)							_	
1	38											
	<del> </del>	Chen et al., "Pha	armacological Cr	naracterization of the Activi	ity of Ende	ogenous Ino	tropic	~ Facto	r fro	m		
- 1	*39	Porcine Left Vent	ricle" <u>J. Cardi</u>	iovas. Pharmacol. 22 (Suppl. 2	2):S93-S95	(1993)	CLO <sub>F</sub>		±			
$\neg \vdash$	<del>                                     </del>	Chien et al., "Re	egulation of Car	diac Gene Expression During	Myocardia.	l Growth an	d Hype	ertroph	v: Mo	lecula	ar	
1	*40	Studies of an Ada	aptive Physiolog	gic Response" FASEB Journal 5	5:3037-3046	6 (1991)	*	/*	<b>7</b>	100	*-	
	<del></del>	Chien et al., "Tr	canscriptional R	Regulation During Cardiac Gro	owth and De	evelopment"	Annu.	Rev.	Phys <u>i</u>	<del>ol.</del>	_	
	*41	55:77-95 (1993).		_		•			,			
		Chien, K.R., "Mol	ecular Advances	s in Cardiovascular Biology"	Science 26	60 (5110) : 91	6-917	(May 1	4, 19	93)_		
}	*42									•		
		Davis et al., "Th	ne Molecular Bio	ology of the CNTF Receptor" C	Current Opi	inion in Ce	Il Bic	ology 5	:281-:	285	_	
<b>- }</b> J	*43	(1993)										
		Fanger et al., "B	ispecific Antib	odies" Critical Reviews in I	[mmunology	12(3,4):10	1-124	(1992),			_	
	44					,						
		Frelin, "Serum Gro	owth Factors for	r Rat Cardiac Non-Muscle Cel	ls in Cult	ure" J. Mol	lec. a	ind Cell	I. Car	rdiol.	_	
	*45	12:1329-1340 (1980	3U) •									
		Grimm et al., "Ver	ntricular Nucle	ic Acid and Protein Levels w	vith Myocar	dial Growth	n and	Hypertr	cophy"	" Circ	Ξ	
<u> </u>		Res. XIX:552-558	~							=	-	
		Iwaki et al., "α- and β-Adrenergic Stimulation Induces Distinct Patterns of Immediate Early Gene Expression in Neonatal Rat Myocardial Cells" <u>Journal of Biological Chemistry</u> 265(23):13809-13817 (Aug										
$\bot$		115, 1990)										
_	*48	Jackowski, A., "Ne	eural injury rep	pair: hope for the future as	barriers	to effectiv	e CNS	regene	ratic	on	_	
$\perp$	- 1			of Neurosurgery 9:303-317 (1	•							
_	*49	Jones et al., "Ass	sociation Betwee	en Inhibition of Arachidonic	Adic Rele	ase and Pre	venti	on of C	alciu	īш	_	
	1-	135(3):541-556 (19	989)•	Cultured Rat Cardiac Myocytes								
_	1	Kanda et al., "An (1994).	Interleukin-6 S	Secreting Myxoma in a Hyperti	rophic Left	t Ventricle	" Che	st 105(	3):96	2-963	_	
$\perp \downarrow \downarrow$	.	-	-									
	*51	Karasik et al, "Gr JACC (abstract) 13	cowth Factors Id	dentified in Myocardium of Pa	atients wit	th Hypertro	phic (	Cardiom	yopat	hy"	_	
$\longrightarrow$					_						-	
<b>V</b>	ا ر 52	Kim et al., "Detec of Immunological M	tion of Human L	Leukemia Inhibitory Factor by	y Monoclona	al Antibody	Basec	A ELISA	" Jou	rnal_	٦	
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FORM PTO-1449 Serial No. Atty Docket No. U.S. Dept. of Commerce P0894P1D2C4 09/896,856 Patent and Trademark Office Applicant LIST OF DISCLOSURES CITED baker et al. (Use several sheets if necessary) Filing Date Group 29 Jun 2001 1647 OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) Kishimoto et al., "Cytokine Signal Transduction" Cell 76:253-262 (Jan 28, 1994) RCH **\*53** Kitamura et al., "Multimeric Cytokine Receptors" Trends Endocrinol. Metabol. 5(1):8-14 (1994). \*54 Knowlton et al., "Co-Regulation of the Atrial Natriuretic Factor and Cardiac Myosin Light Chain-2 Genes During α-Adrenergic Stimulation of Neonatal Rat Ventricular Cells" Journal of Biological Chemistry \*55 266(12):7759-7768 (April 25, 1991) Knowlton et al., "The  $lpha_{1a}$ -Adrenergic Receptor Subtype Mediates Biochemical, Molecular, and Morphologic Peatures of Cultured Myocardial Cell Hypertrophy" Journal of Biological Chemistry 268(21):15374-15380 \*56 (Jul 25, 1993). Lee et al., "Atrial Natriuretic Factor Gene Expression in Ventricles of Rats with Spontaneous Biventricular Hypertrophy" J. Clin. Invest. 81:431-434 (1988) **\*57** Lee et al., "α1-Adrenergic Stimulation of Cardiac Gene Transcription in Neonatal Rat Myocardial Cells" Journal of Biological Chemistry 263(15):7352-7358 (1988). \*58 Libby, P., "Long-Term Culture of Contractile Mammalian Heart Cells in a Defined Serum-Free Medium that Limits Non-Muscle Cell Proliferation" Journal of Molecular and Cellular Cardiology 16:803-811 (1984), Long et al., "A Growth Factor for Cardiac Myocytes is Produced by Cardiac Nonmyocytes" Cell Regulation 2:1081-1095 (Dec 1991). Long et al., "Trophic Factors in Cardiac Myocytes" <u>J. Hyper.</u> 8(Suppl. 7):S219-S224 (1990), \*61 Long et al., "B-Adrenergic Stimulation of Cardiac Non-myocytes Augments the Growth-promoting Activity of Non-myocyte Conditioned Medium" J. Mol. Cell. Cardiol. 25:915-925 (1993). \*62 Long, "TGF eta Isoform Expression and Effect in Neonatal Rat Cardiac Myocytes and Non-myocytes in Culture" \*63 Circulation (Abstracts from the 65th Scientific Sessions) 86:I-837 (1992), McCormick et al., "Myofibrillar and Nonmyofibrillar Myocardial Proteins of Copper Deficient Rats" J. Nutr. (Minerals and Trade Elements) 119:1683-1690 (1989). \*64 McDonald et al., "Expression and Characterization of Recombinant Human Ciliary Neurotrophic Factor from Escherichia coli" Biochimica et Biophysica Acta 1090:70-80 (1991) **\*65** Miller-Hance et al., "In Vitro Chamber Specification During Embryonic Stem Cell Cardiogenesis. Expression of the ventricular myosin light chain-2 gene is independent of heart tube formation" The \*66 Journal of Biological Chemistry 268(33):25244-25252 (Nov 25, 1993) "Isolation of a Negative Inotropic Factor from Blast Cells of Patients with Leukaemic Cardiomyopathy" Circulation (abstract 324) 55 & 56 (Suppl. III):III-86 (1977). \*67 Mir, "Evidence for Non-Infiltrative Neoplastic Cardiomyopathy and Presence of Negative Inotropic Factor in Acute Myeloid Leukaemia: A Clinico-Experimental Study" British Heart J. 39(3):355 (1977) \*68 Mukherjee et al., "Effect of Myotrophin on Induction of Proto-Oncogenes, ANF and Contractile Element Transcript Levels" Circulation 86(4 (Suppl. I)):I-626 (1992). \*69 Mukherjee et al., "Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression" **\***70 Hypertension 21(2):142-148 (1993). Neben et al., "The Biology of Interleukin 11" Stem Cells 11(Suppl. 2):156-162 (1993), \*71 Orkin et al., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy" NIH, Bethesda, MD pps. 1-41 (1995), Examiner **Date Considered** Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 LIST OF DISCLOSURES CITED BY

U.S. Dept. of Commerce Patent and Trademark Office Atty Docket No. P0894P1D2C4

Serial No. 09/896,856

**Applicant** 

Date Considered

baker et al. Filing Date

Group

(Use several sheets if necessary)

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29 Jun 2001 1647 OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) Patterson, "The Emerging Neuropoietic Cytokine Family: First CDF/LIF, CNTF and IL-6; next ONC, MGF, GCSF?" Curr. Opin. Neurobiol. 2:94-97 (1992) Par Pennica et al., "Expression cloning of cardiotrophin 1, a cytokine that induces cardiac myocyte \*74 hypertrophy" Proc. Natl. Acad. Sci. USA 92:1142-1146 (1995). Ramaciotti et al., "Cardiac Endothelial Cells Modulate Contractility of Rat Heart in Response to Oxygen \*75 Tension and Coronary Flow" Circ. Res. 72(5):1044-1064 (1993) Robbins et al., "Mouse Embryonic Stem Cells Express the Cardiac Myosin Heavy Chain Genes During Development in Vitro Journal of Biological Chemistry 265(20):11905-11909 (1990) \*76 Rockman et al., "Segregation of Atrial-Specific and Inducible Expression of an Atrial Natriuretic Factor Transgene in an in vivo Murine Model of Cardiac Hypertrophy" Proc. Natl. Acad. Sci. USA 88:8277-8281 \*77 Rudinger, J., "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence" Peptide Hormones, J.A. Parsons, Baltimore:University Park Press pps. 1-7 (1976), \*78 Sadoshima et al., "Autocrine Release of Angiotensin II Mediates Stretch-Induced Hypertrophy of Cardiac Myocytes in Vitro" <u>Cell</u> 75:977-984 (1993) **\*79** Sarzani et al., "Regulation of Cardiac Growth Factors and Growth Factor Receptors Gene Expression by Growth Hormone" European Heart Journal (abst. suppl.) 13:326 (1992) \*80 Sen et al., "Basic Science/Circulation: Myocardial Structure and Pathology-Hypertrophy" Circulation 80(4 \*81 (Suppl. II)):II-616 (1989). Sen et al., "Myotrophin: Purification of a Novel Peptide from Spontaneously Hypertensive Rat Heart That Influences Myocardial Growth Journal of Biological Chemistry 265(27):16635-16643 (1990) \*82 Shubeita et al., "Endothelin Induction of Inositol Phospholipid Hydrolysis, Sarcomere Assembly, and Cardiac Gene Expression in Ventricular Myocytes. A paracrine mechanism for myocardial cell hypertrophy" Journal of Biological Chemistry 265(33):20555-20562 (Nov 25, 1990).
Sil et al., "Myotrophin in Human Cardiomyopathic Heart" Circ. Res. 73(1):98-108 (1993). \*84 Sil et al., "Purification of Myotrophin from Human Cardiomyopathic Heart" <u>FASEB J.</u> 5(5991):A1244 (1991)→ \*85 Sil et al., "Role of Myotrophic in Pathophysiology of Cardiac Hypertrophy in Spontaneously Hypertensive Rat (SHR) " Circulation 88(4, part 2):I-613 (1993). \*86 Simpson et al., "Differentiation of Rat Myocytes in Single Cell Cultures with and without Proliferating Nonmyocardial Cells. Cross-striations, ultrastructure, and chronotropic response to isoproterenol \*87 Circulation Research 50(1):101-116 (Jan 1982) Simpson et al., "Myocyte Hypertrophy in Neonatal Rat Heart Cultures and Its Regulation by Serum and by Catecholamines" Circulation Research 51(6):787-801 (Dec 1982) \*88 Suzuki et al., "Serum-Free, Chemically Defined Medium is Important to Investigate the Growth, Development and Function of Neonatal Rat Cardiac Myocytes in Culture" Trends in Animal Cell Culture \*89 Technology, Murakami (ed.), Tokyo:Kodansha pps. 61-66 (1990), Takemura et al., "Expression and Distribution of Atrial Natriuretic Peptide in Human Hypertrophic Ventricle of Hypertensive Hearts and Hearts with Hypertrophic Cardiomyopathy" Circulation 83(1):181-190 **\*90** (1991)Tomida et al., "Preparation and Neutralization Characteristics of an Antibody to the Factor Inducing 91 Differentiation of Mouse Myeloid Leukemic Cells" FEBS Letts 151(2):281-285 (1983) Williams et al., "Cardiovascular Growth Factors" The Heart and Cardiovascular System, Fozzard et al. (eds.), New York:Raven Press, Chapter 72, pps. 1 (1986) Examiner

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation

if not in conformance and not considered. Include copy of this form with next communication to applicant.